

DEC 21 2004

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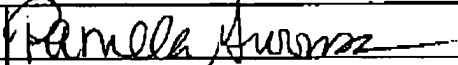
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/001,844
	Filing Date	11/18/2001
	First Named Inventor	C. Frank Bannan
	Art Unit	1635
	Examiner Name	James Schultz
	Attorney Docket Number	ISPH-0617
Total Number of Pages in This Submission		7

ENCLOSURES (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Isis Pharmaceuticals, Inc.		
Signature			
Printed name	Colleen McKiernan, Ph.D.		
Date	12/21/2004	Reg. No.	48,570

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Attorney Docket No.: ISPH-0617
Inventors: Bennett et al.
Serial No.: 10/001,844
Filing Date: November 16, 2001
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RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 1635

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: ISPH-0617
Inventors: Bennett and Cowser
Serial No.: 10/001,844
Filing Date: November 16, 2001
Examiner: James Schultz
Customer No.: 32862
Group Art Unit: 1635
Confirmation No.: 2097
Title: Antisense Modulation of SHH
Expression

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On 12/21/2004


Pamela Grooms

Commissioner for Patents
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Dear Sir:

Reply under 37 C.F.R. § 1.116

This is a reply to the Office Action mailed September
27, 2004 setting a three (3) month statutory period for

✓ Attorney Docket No.: ISPH-0617
Inventors: Bennett et al.
Serial No.: 10/001,844
Filing Date: November 16, 2001
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response. Please enter the following amendments and remarks into the record.

The Amendments to the Claims are reflected in the listing of claims which begins on page 3.

Remarks begin on page 5.